

Work Order ID 141742

February 10, 2016 3:08:59 PM

141742

Page 1

Ship March 16

Item ID: D139-799-112

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Maintenance Step with Grab Bar RH

Stop

NS2

Start Date: 2/10/2016 Start Qty: 7.00

7

Cust Item ID:

Required Date: 3/16/2016 Req'd Qty: 7.00

7

Customer:

Reference:

Approvals:

Process Plan:

Date:

20160210

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D139-799	K								
100	Document Control	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile &type labels per PPP D139-799-112 CHG002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MW 1603-14

6x DAS 28 9-89 MAR 16 2016

46 DAS 6 9-89 27 9-89 MAR 11 2016

6x DAS 28 9-89 MAR 16 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence					
				OTHER :					

Work Order ID 141742

February 10, 2016 3:08:59 PM

141742

Page 2

Item ID: D139-799-112

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Maintenance Step with Grab Bar RH

Stop ***NS2***

Start Date: 2/10/2016 Start Qty: 7.00

7

Cust Item ID:

Required Date: 3/16/2016 Req'd Qty: 7.00

7

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00				6x	DAS 28		MAR 16 2016
Packaging	Identify and pack for shipping as per PPP D139-799-112 Location : FG019						9-89		
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.01				ML5			MAR 16 2016
Quality Control									

MAR 16 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :			
Misidentified	☐	Past Due	☐				

Picklist Print

February 10, 2016 3:09:09 PM

Page 1

Work Order ID: 141742

141742

Parent Item: D139-799-112

D139-799-112

Parent Item Name: Maintenance Step with Grab Bar RH

Start Date: 2/10/2016

Required Date: 3/16/2016

Start Qty: 7.00

Required Qty: 7.00

Comments: IPP REV:A 11.11.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN6H12A *AN6H12A* Bolt		Purchased	No			110	Each	31.0000	2	10			DAS 6 9-89
	DAS 28 9-89			<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				over005				15					
				m133992				15		12			
				ST335				16					
				m132930				16					
AN6H13A *AN6H13A* Bolt		Purchased	No			110	Each	21.0000	2	10			DAS 6 9-89
	DAS 28 9-89			<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST335				21					
				m132930				21					
D4526-042 *D4526-042* Maintenance Step Assembly		Manufactured	No			110	Each	0.0000	1	6			DAS 6 9-89
	DAS 28 9-89			<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				m132930				1		141748			

MAR 14 2016

MAR 16 2016

Picklist Print

February 10, 2016 3:09:09 PM

Page 2

Work Order ID: 141742

Parent Item: D139-799-112

Parent Item Name: Maintenance Step with Grab Bar RH

141742

D139-799-112

Start Date: 2/10/2016

Required Date: 3/16/2016

Start Qty: 7.00

Required Qty: 7.00

NAS1149D0663J

Purchased

No

110

Each

864.0000

6

42

NAS1149D0663.J

Washer

**

30

MAR 11 2016

NAS
27
9-89

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST260

227

M131618

227

ST260a

300

M133812

300

42

ST263

286

M133134

89

M133769

197

ST269

51

M126334

51

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X									D139-799-011	MAINTENANCE STEP KIT, LH
	X								D139-799-012	MAINTENANCE STEP KIT, RH
		X							D139-799-015	ENGINE WASH KIT
			X						D139-799-017	CARGO FLOOR PROTECTOR KIT
				X					D139-799-019	CABIN FLOOR PROTECTOR KIT
					X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
						X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
							X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
								X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
			2						D3580-1	JOGGLE BRACKET
			2	8					D3628-1	CUPPED WASHER
1									D4092-041	MAINTENANCE STEP ASSEMBLY
	1								D4092-042	MAINTENANCE STEP ASSEMBLY
		2							D4121-1	HOSE ASSEMBLY
		1							D4121-3	HOSE ASSEMBLY
		1							D4121-5	HOSE ASSEMBLY
				1					D4130-1	FWD CABIN FLOOR PROTECTOR
				1					D4130-3	AFT CABIN FLOOR PROTECTOR
			1						D4130-5	FWD CARGO FLOOR PROTECTOR
			1						D4130-7	CENTER CARGO FLOOR PROTECTOR
			1						D4130-9	AFT CARGO FLOOR PROTECTOR
		1							D4131-041	MANIFOLD ASSEMBLY
		1							D4131-043	DOUBLER ASSEMBLY
		2							D4146-1	FITTING
			1						D4153-1	JOGGLE BRACKET
			1						D4153-3	JOGGLE BRACKET
				4					D4153-5	CLAMP PLATE
			2						D4166-1	PLACARD, MAX LOAD
		2							D4182-1	FITTING, QUICK DISCONNECT
		1							D4384-1	PLACARD
					1				D4526-042	MAINTENANCE STEP ASSEMBLY, RH
						1			D5238-041	MAINTENANCE STEP ASSEMBLY
							1		D5238-042	MAINTENANCE STEP ASSEMBLY
						1	1	1	D5238-043	LOWER BRACKET, AFT
						1	1	1	D5238-045	LOWER BRACKET, FWD
						1	1	1	D5245-1	MOUNTING BOLT
2	2				2	2	2	2	AN6H12A	BOLT
2	2				2	1	1	1	AN6H13A	BOLT
		4							AN526-1032R16	SCREW
		2							AN832-6J	UNION
		4							AN924-6J	NUT
		20							MS21919WDG09	CLAMP
6	6				6	5	5	5	NAS1149D0663J	WASHER (or AN960JD616)
		4							NAS1149C0932R	WASHER (or AN960C916L)